Amendments to the Claims

This listing of claims will replace all prior versions, and listing, of claims in the application:
Listing of claims:

1 - 18. (Canceled)

19. (Currently Amended) A method of using ~~the~~ an artificial synovial fluid ~~of claim 1~~ comprising adding the artificial synovial fluid to an implant during an *in vitro* evaluation of implant performance, wherein the artificial synovial fluid comprises a serum, a chelating agent, and a buffer in an aqueous solution.

20. (Original) The method of claim 19 wherein the implant is a prosthetic joint.

21. (Original) The method of claim 19 wherein the evaluation of implant performance is a wear test.

22-29. (Canceled)

30. (New) The method of claim 19, wherein the serum is bovine calf serum.

31. (New) The method of claim 19, wherein the artificial synovial fluid further comprises an antibiotic.

32. (New) The method of claim 31, wherein the antibiotic comprises sodium azide.

33. (New) The method of claim 31, wherein the antibiotic comprises Patricin A.

34. (New) The method of claim 19, wherein the chelating agent is chosen from the group comprising Ethylene-Diamine-Tetra-Acetate (EDTA), disodium EDTA, tetra sodium EDTA, and Ethylene Glycol bis (2-Aminoethyl Ether)-N,N,N′,N′-Tetraacetic Acid (EGTA).

35. (New) The method of claim 19, wherein the artificial synovial fluid consists essentially of:

25% to 99.8% bovine calf serum, wherein the bovine calf serum has a protein content of 50 g/l to 60 g/l;

0.01 % to 3% EDTA; and

up to 72.0% deionized water,

wherein the percentages of components are weight to weight of the fluid composition.

36. (New) The method of claim 35, wherein the artificial synovial fluid has 33% to 66% bovine calf serum and 0.01% to 0.74% EDTA.

37. (New) The method of claim 19, wherein the artificial synovial fluid consists essentially of:

25% to 99.8% bovine calf serum, wherein the bovine calf serum has a protein content of 50 g/l to 60 g/l;

0.1% to 5.0% Sodium Azide;

0.01 % to 3% EDTA; and

up to 72.0% deionized water,

wherein the percentages of components are weight to weight of the fluid composition.

38. (New) The method of claim 37, wherein the artificial synovial fluid has 33% to 66% serum and 0.01% to 0.74% EDTA.

39. (New) The method of claim 19, wherein the artificial synovial fluid consists essentially of:

25% to 99.8% bovine calf serum, wherein the bovine calf serum has a protein content of 50 g/l to 60 g/l;

0.1 % to 5.0% Patricin A;

0.01 % to 3% EDTA; and

up to 72.0% deionized water,

wherein the percentages of components are weight to weight of the fluid composition.

40. (New) The method of claim 39, wherein the artificial synovial fluid has 33% to 66% serum and 0.01% to 0.74% EDTA.

41. (New) The method of claim 19, wherein the artificial synovial fluid consists essentially of:

25% to 99.8% bovine calf serum, wherein the bovine calf serum has a protein content of 50 g/l to 60 g/l;

0.1 % to 5.0% Patricin A;

0.01 % to 3% EDTA; and

up to 72.0% saline,

wherein the percentages of components are weight to weight of the fluid composition.

42. (New) The method of claim 41, wherein the artificial synovial fluid has 33% to 66% serum and 0.01% to 0.74% EDTA.

43. (New) The method of claim 41, wherein the saline is phosphate buffered saline.

44. (New) The method of claim 19, wherein the artificial synovial fluid consists essentially of:

25% to 99.8% bovine calf serum, wherein the bovine calf serum has a protein content of 50 g/l to 60 g/l;

1% to 30% Tris,

0.01 % to 3% EDTA; and

up to 72.0% saline,

wherein the percentages of components are weight to weight of the fluid composition.

45. (New) The method of claim 44, wherein the saline is phosphate buffered saline.

46. (New) The method of claim 44, wherein the artificial synovial fluid has 33% to 66% serum, 1% to 5% Tris, and 0.01% to 0.74% EDTA.

47. (New) The method of claim 19 further comprising preheating the serum to 37°C; mixing the serum, chelating agent, and buffer in a desired ratio; and filtering the fluid.